

Light efficiency:

69 Lumen/Watt

Output: 957 lm

Light quality:

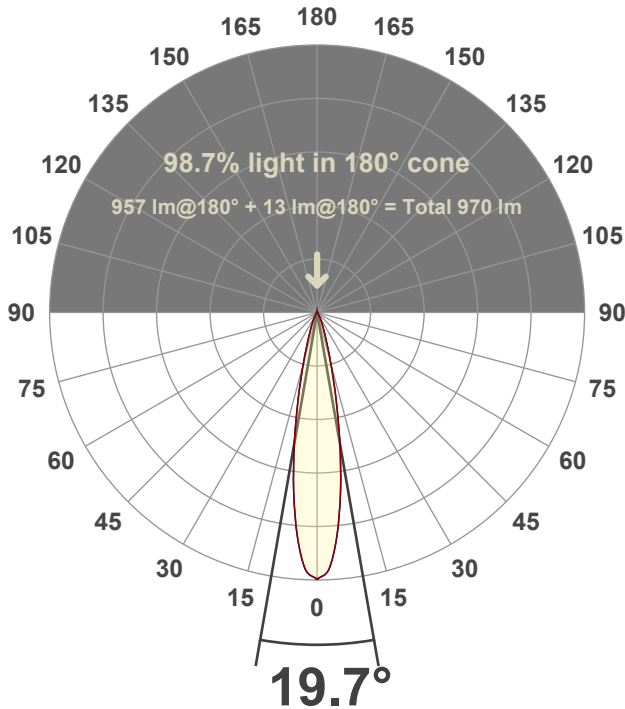
CRI: 96.2

Peak: 6214 cd

Power: 14.0 W



Beam angle



Test number:

CR4D-RA-DR-Z-T15-TW1840-15

Luminaire Model:

CORE 4" ROUND DEEP REGRESS T15-1840-15°

Date and time:

8/20/2025 11:20:27 AM

LUM: 957

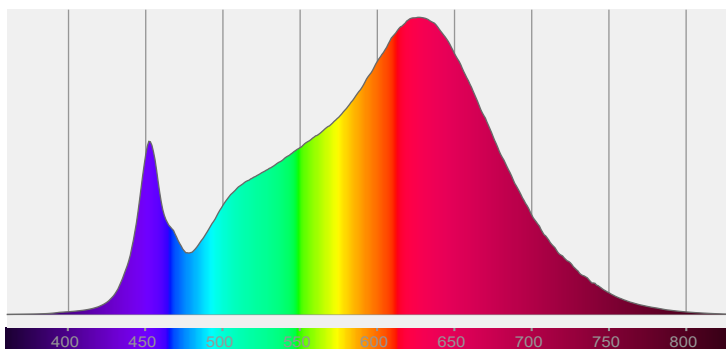
Primary Optic 15° = 19.7°

2892 K

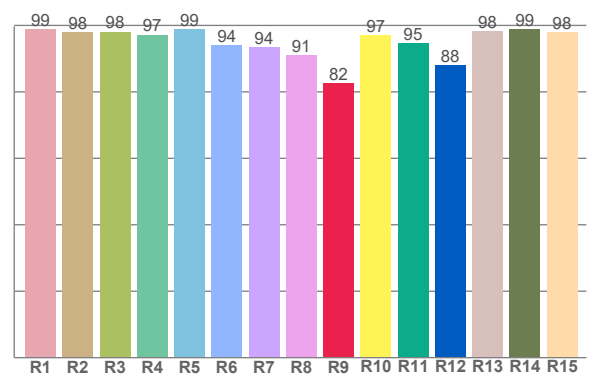
Measured at Mid-Point of Tuneable White CCT Range

*Variation due to source size, bezel geometry, or secondary optics

Spectra



CRI: 96.2 (R1-R8)



Color parameters

	Color rendering index	Red component	Color fidelity	Color gamut	Color quality scale	Color coordinate cie 1931	Color coordinate cie 1931	Color coordinate	Color coordinate	Color deviation from black body
	CRI	CRI R9	TM30 R _f	TM30 R _g	CQS	x	y	u	v	Δuv
	96.2	82.5	93.8	103.0	93.0	0.437	0.391	0.256	0.344	-0.0054

R_f 93.8

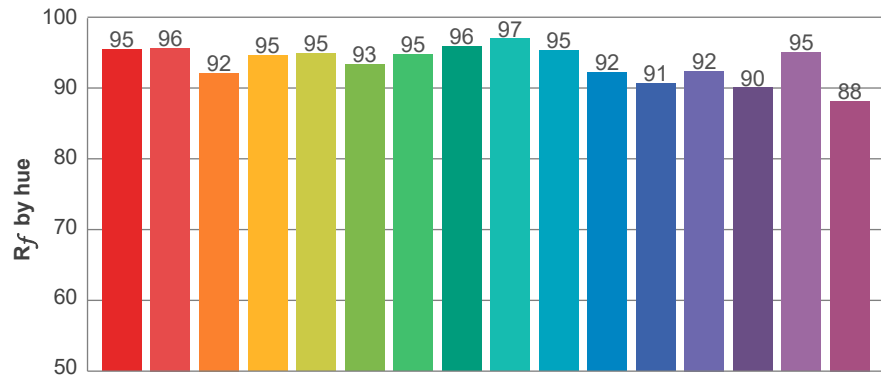
Fidelity index R_f

R_g 103.0

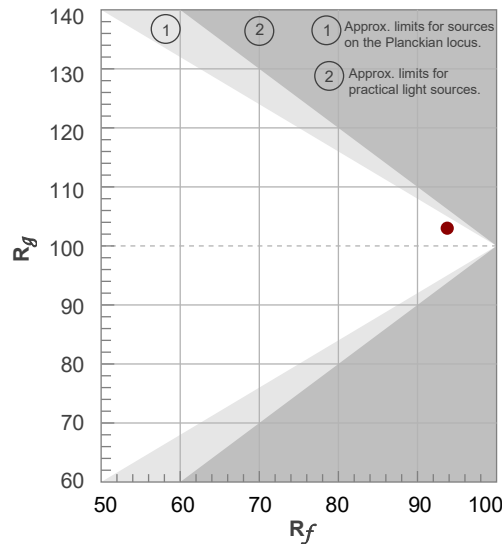
Gammut index R_g

TM30: 93.8

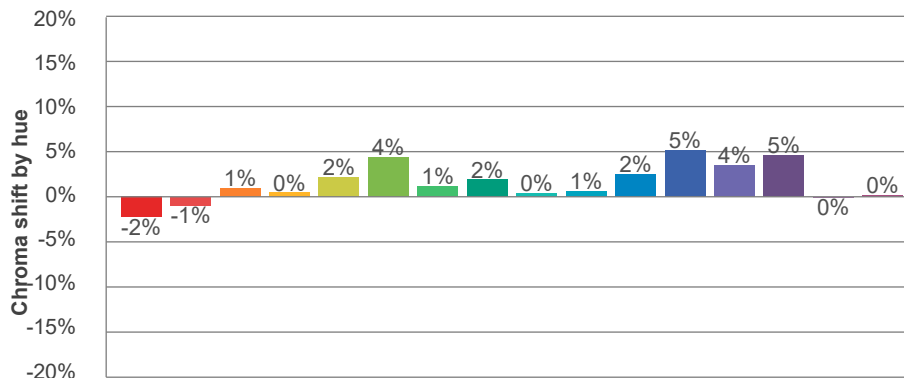
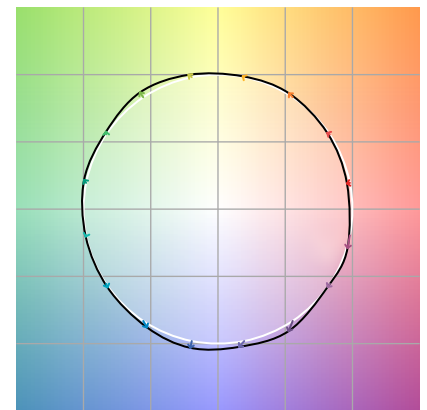
TM-30Color



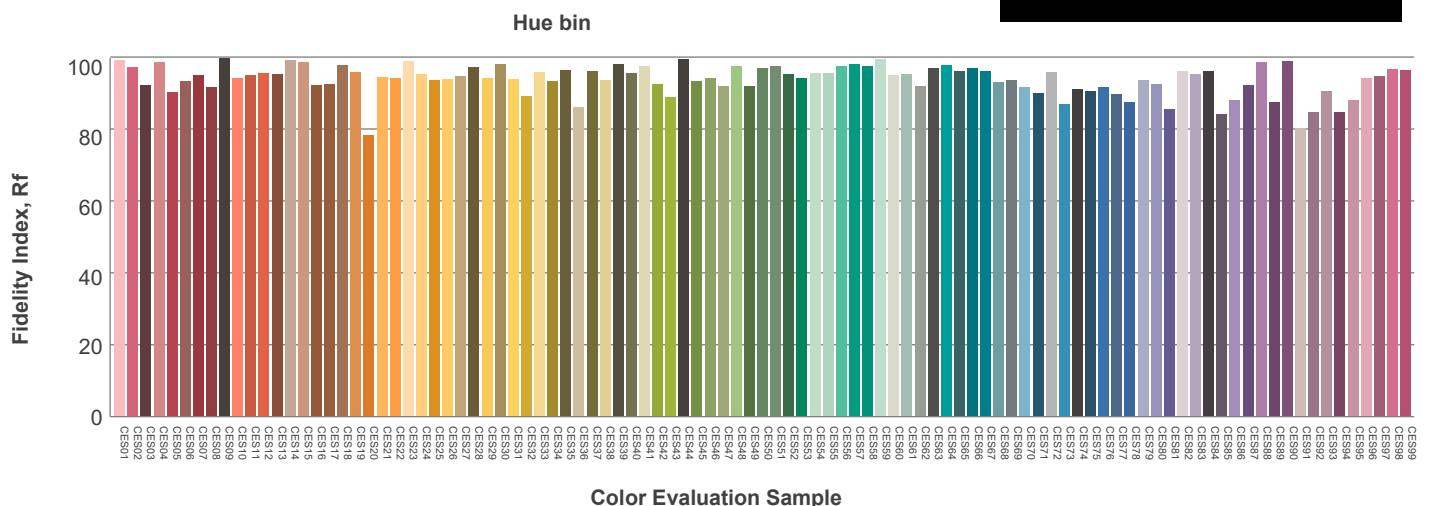
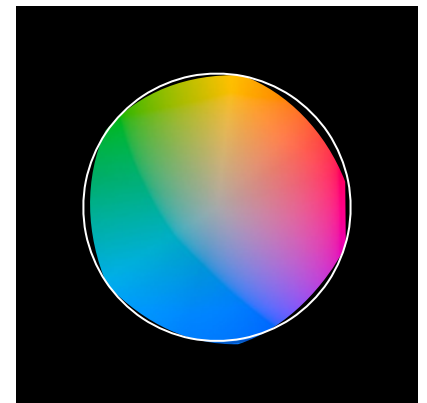
Hue Bin	R_f	Graphic shifts (%)	
		Chroma	Hue
1	95	-2%	0%
2	96	-1%	2%
3	92	1%	4%
4	95	0%	1%
5	95	2%	2%
6	93	4%	0%
7	95	1%	-2%
8	96	2%	-2%
9	97	0%	1%
10	95	1%	3%
11	92	2%	5%
12	91	5%	0%
13	92	4%	-5%
14	90	5%	-7%
15	95	0%	-3%
16	88	0%	-10%



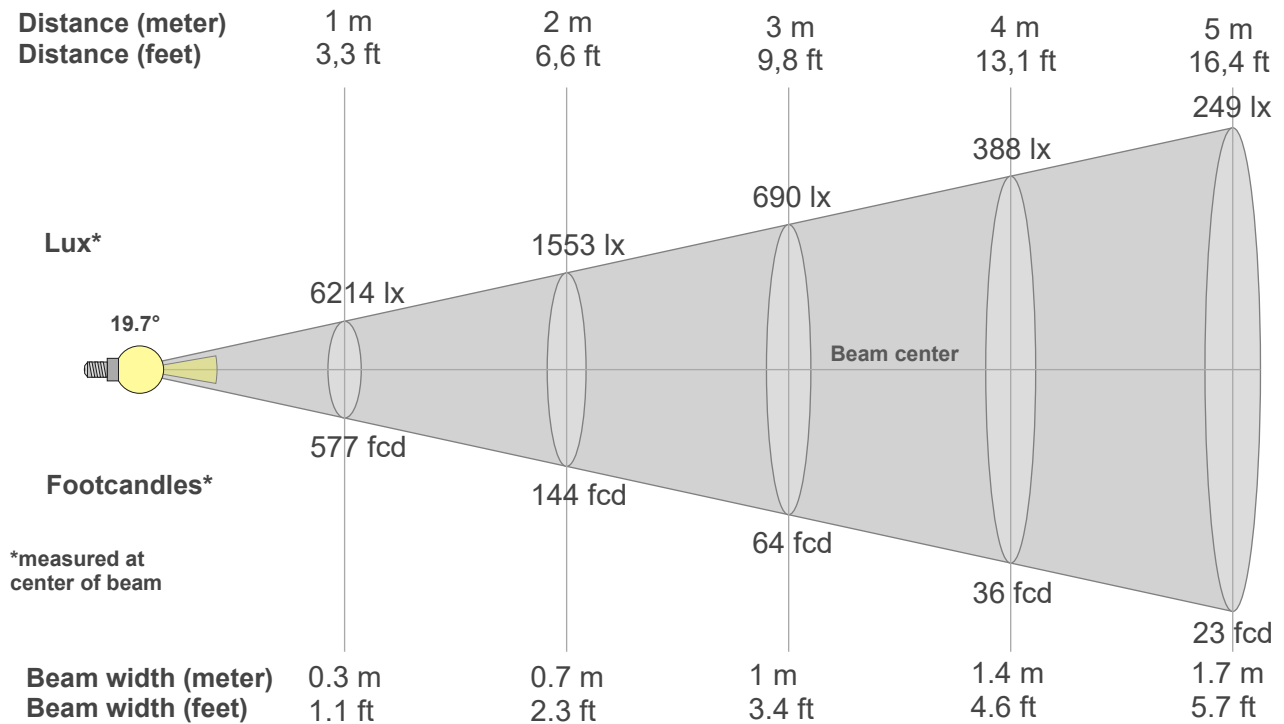
Color vector graphics



Color distortion



Beam details



Beam intensities from 1-20m

1m	2m	3m	4m	5m	6m	7m	8m	9m	10m	11m	12m	13m	14m	15m	16m	17m	18m	19m	20m
3.3ft	6.6ft	9.8ft	13.1ft	16.4ft	19.7ft	23ft	26.2ft	29.5ft	32.8ft	36.1ft	39.4ft	42.7ft	45.9ft	49.2ft	52.5ft	55.8ft	59.1ft	62.3ft	65.6ft
6214lx	1553lx	690lx	388lx	249lx	173lx	127lx	97lx	77lx	62lx	51lx	43lx	37lx	32lx	28lx	24lx	22lx	19lx	17lx	16lx
577.3fcd	144.3fcd	64.1fcd	36.1fcd	23.1fcd	16fcd	11.8fcd	9fcd	7.1fcd	5.8fcd	4.8fcd	4fcd	3.4fcd	2.9fcd	2.6fcd	2.3fcd	2fcd	1.8fcd	1.6fcd	1.4fcd

Intensities in 0° c-plane

0°	1°	2°	3°	4°	5°	6°	7°	8°	9°	10°	11°	12°	13°	14°	15°	16°	17°	18°	19°
6214	6147	6061	5892	5579	5266	4843	4415	3968	3505	3048	2627	2206	1859	1541	1257	1050	844	714	593
100%	99%	98%	95%	90%	85%	78%	71%	64%	56%	49%	42%	36%	30%	25%	20%	17%	14%	11%	10%

Intensities in 90° c-plane

0°	1°	2°	3°	4°	5°	6°	7°	8°	9°	10°	11°	12°	13°	14°	15°	16°	17°	18°	19°
6214	6147	6061	5892	5579	5266	4843	4415	3968	3505	3048	2627	2206	1859	1541	1257	1050	844	714	593
100%	99%	98%	95%	90%	85%	78%	71%	64%	56%	49%	42%	36%	30%	25%	20%	17%	14%	11%	10%

Intensities in 180° c-plane

0°	1°	2°	3°	4°	5°	6°	7°	8°	9°	10°	11°	12°	13°	14°	15°	16°	17°	18°	19°
6214	6147	6061	5892	5579	5266	4843	4415	3968	3505	3048	2627	2206	1859	1541	1257	1050	844	714	593
100%	99%	98%	95%	90%	85%	78%	71%	64%	56%	49%	42%	36%	30%	25%	20%	17%	14%	11%	10%

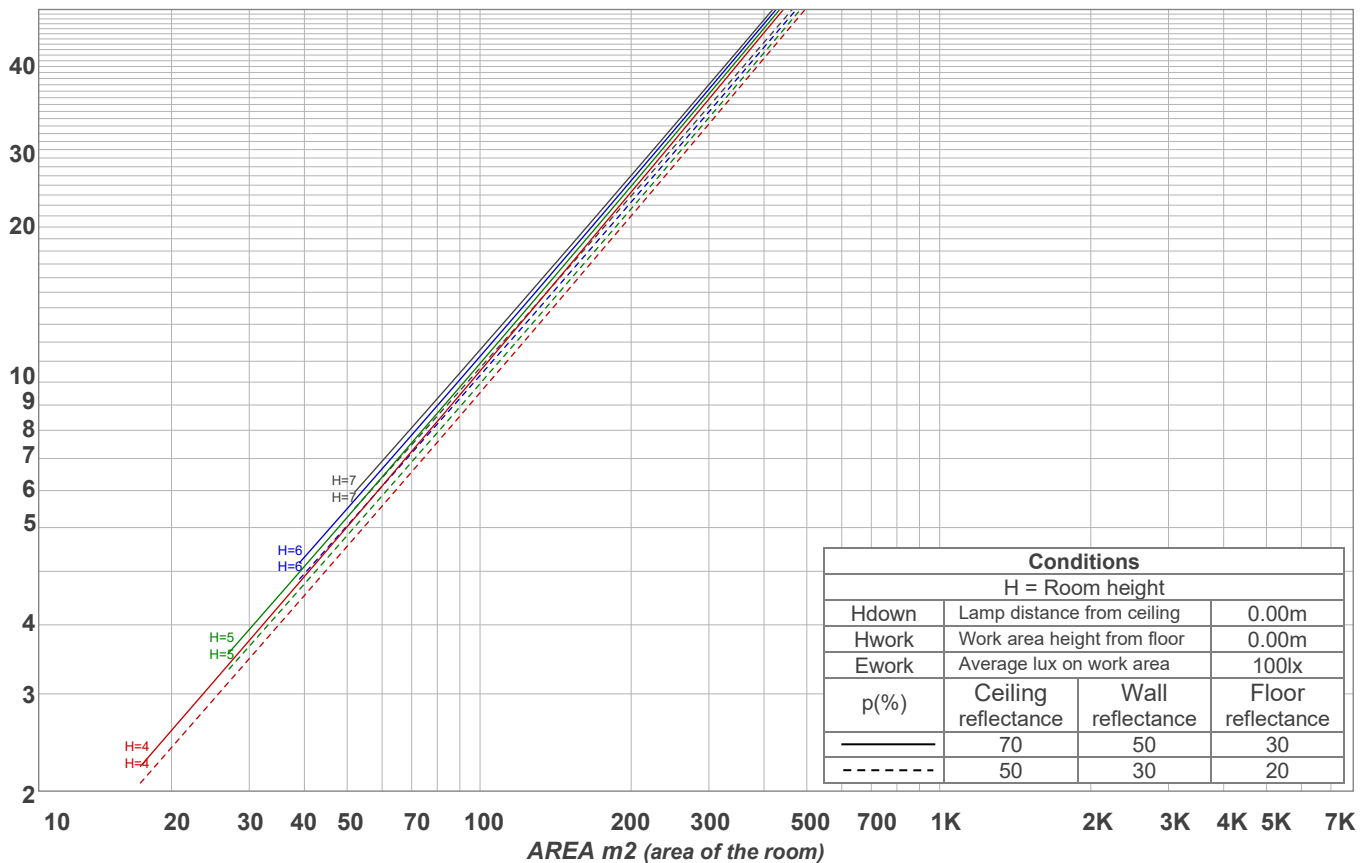
Intensities in 270° c-plane

0°	1°	2°	3°	4°	5°	6°	7°	8°	9°	10°	11°	12°	13°	14°	15°	16°	17°	18°	19°
6214	6147	6061	5892	5579	5266	4843	4415	3968	3505	3048	2627	2206	1859	1541	1257	1050	844	714	593
100%	99%	98%	95%	90%	85%	78%	71%	64%	56%	49%	42%	36%	30%	25%	20%	17%	14%	11%	10%

Beam angle 50%	Field angle 10%	Cutoff angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
19.7°	37.5°	55.6°	99.0%	98.6%

LAMPS (number of lamps)
50

Light planning Luminaire budgetary diagram



Luminaire budgetary diagram AREA m2 (area of the room) Coefficients of Utilization

Ceiling reflectance	80				70				50			30			10			0
Wall reflectance	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	0
Floor reflectance	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	0
RCR	(RCR: Room Cavity Ratio) Room Values are expressed as percentage of Lumens delivered to the task surface																	
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100
1	115	113	111	109	113	111	109	108	107	106	104	103	102	101	100	99	98	97
2	111	108	105	103	109	106	104	101	103	101	99	100	99	97	98	96	95	94
3	108	104	100	97	106	102	99	97	100	97	95	98	96	94	96	94	92	91
4	105	100	96	93	104	99	96	93	97	94	92	95	93	91	94	91	90	89
5	102	97	93	90	101	96	92	90	94	91	89	93	90	88	91	89	87	86
6	100	94	90	87	99	93	89	87	92	89	86	91	88	86	90	87	85	84
7	97	91	87	85	96	91	87	84	90	86	84	89	86	84	88	85	83	82
8	95	89	85	82	94	88	85	82	87	84	82	87	84	82	86	83	81	80
9	93	87	83	80	92	86	83	80	85	82	80	85	82	80	84	81	79	79
10	91	85	81	78	90	84	81	78	84	80	78	83	80	78	82	80	78	77

Zonal Lumen Summary

0°-10°	10°-20°	20°-30°	30°-40°	40°-50°	50°-60°	60°-70°	70°-80°	80°-90°
426 lm	369 lm	113 lm	31.9 lm	5.16 lm	2.36 lm	2.86 lm	2.90 lm	3.40 lm
90°-100°	100°-110°	110°-120°	120°-130°	130°-140°	140°-150°	150°-160°	160°-170°	170°-180°
0.000 lm	0.000 lm	0.000 lm	0.000 lm	0.000 lm	0.000 lm	0.000 lm	0.000 lm	0.000 lm

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